

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

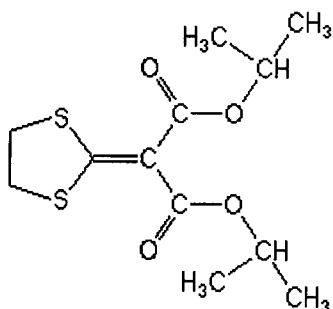
Analyte: Isoprothiolane

CAS No.: 50512-35-1

Formula: C₁₂H₁₈O₄S₂

Molecular mass (lowest isotopes): 290,07 amu

Structure:



Ionisation: ESI +

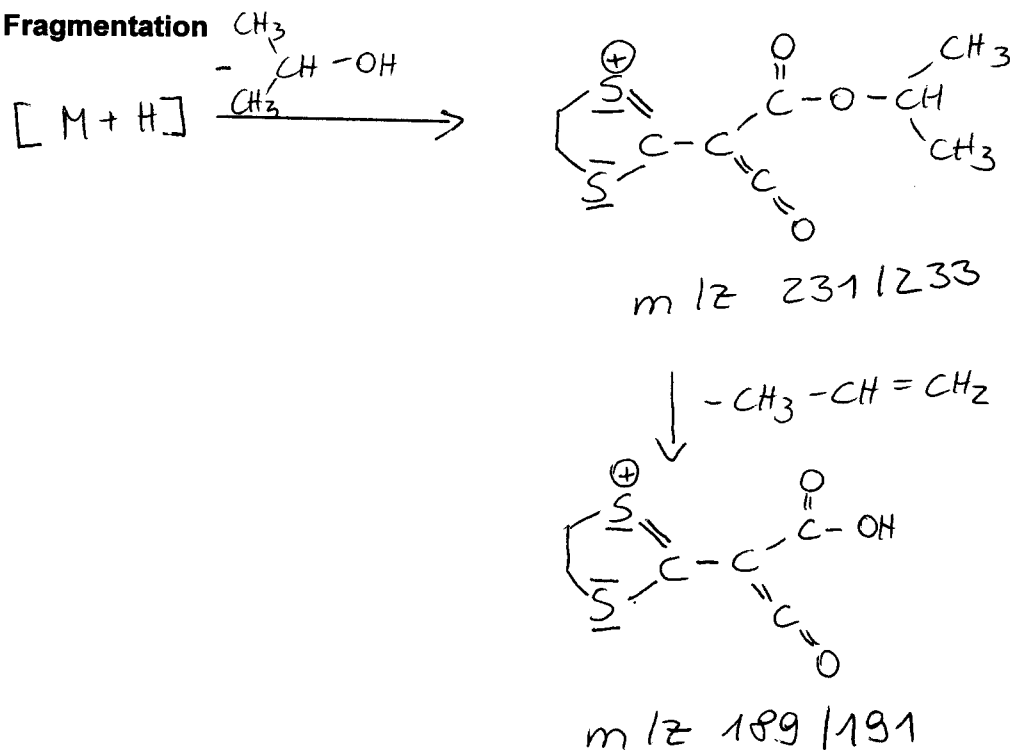
Quasimolecular ion: 291,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	291,1 → 231,1	291,1 → 189,0
Declustering potential (DP) ^{*)}	11V	11 V
Focusing potential (FP)	370 V	350 V
Entrance potential (EP)	8,5 V	9,5 V
Collision cell entrance potential (CEP)	16 V	18 V
Collision energy (CE)	17 V	27 V
Collision cell exit potential (CXP)	12 V	10 V

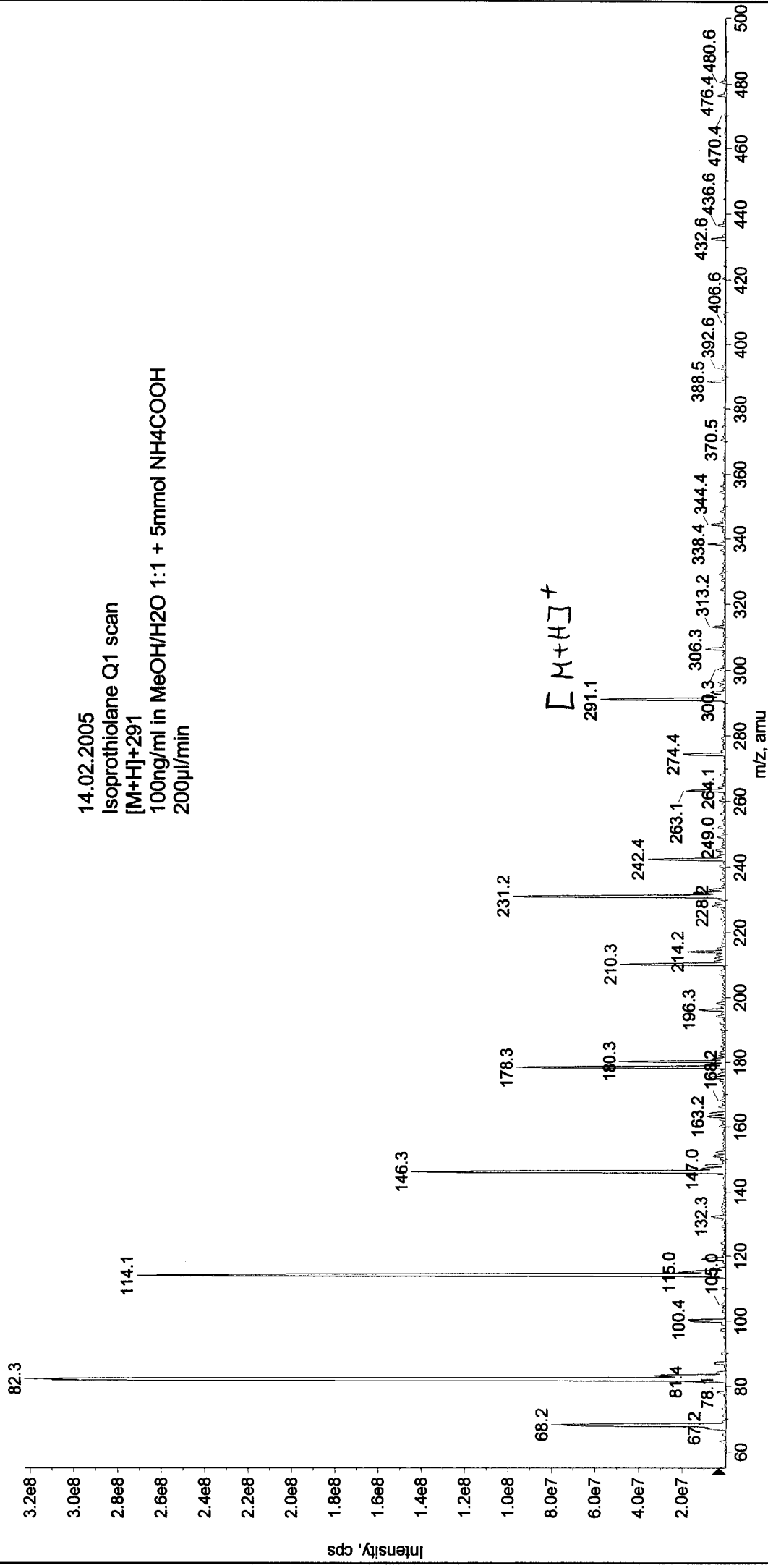
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050214094010.wiff (Turbo Spray)

Max. 3.2e8 cps



Printing Time: 10:23:37

Printing Date: Monday, February 14, 2005

Acq. Time: 10:19

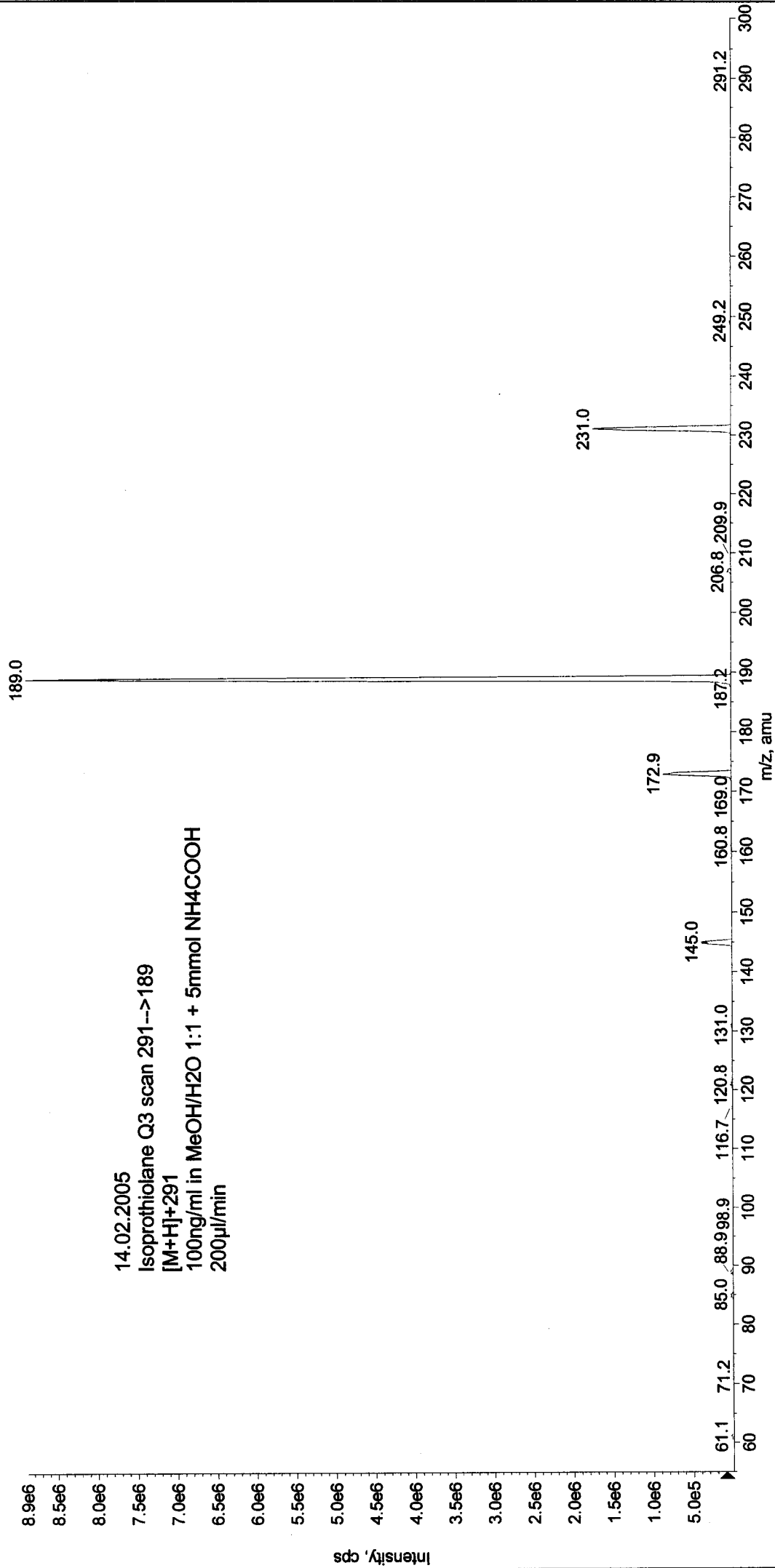
Acq. Date: Monday, February 14, 2005

Acq. File: MT20050214101934.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

+MS2 (291.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050214101934.wiff (Turbo Spray)

Max. 8.9e6 cps



Printing Time: 11:17:06
Printing Date: Monday, February 14, 2005

Acq. Time: 11:14
Acq. Date: Monday, February 14, 2005
Acq. File: MT20050214111456.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

